NT POSTS

let Modes in ray

Resource URL by liferay-portlet:resourceURL Tag

AUI Ajax in liferay portlet

Resource URL by portlet tag portlet:resourceURL

Portlet serve resource phase / Lifecycle

Liferay service builder concept

Liferay MVC vs Spring MVC Portlet in Liferay

Users, Site, Organization and User Group in Liferay and its association

Nilang September 28, 2014 8 Comments Organization, Permission, Role, Site, User, User Group

Liferay artifacts are useful in building and organizing a portal. Following liferay artifacts are key building blocks to construct liferay portal.

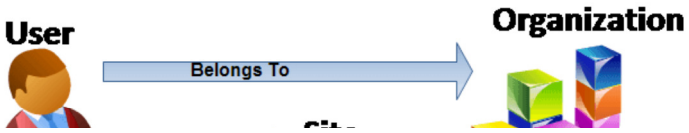
Liferay artifacts

- **Users**
  - Users are key entity in Liferay portal.
  - In Liferay portal, users are associated with site / organization / usergroups. They have different roles
- **Site** (Till Liferay 6.0 this was know as Community)
  - Liferay provides provision of Site.
  - Site in Liferay represents web site that has page, content , users and other functionality.
  - Generally any web site is comprises of set of static files (html) or it's built by some web application. Liferay site provides similar functionality. It allows us to add pages, users, look and feel and other functionalities (portlets) to form a complete web site.
  - Users in site can access different part and functionality of site based on site role associated.
  - To know more about Liferay site, you can refer this
- **Organization**
  - Organization in Liferay manages users in hierarchy.
  - Organization can have a site so all functionality of sites are also applicable to organization.
  - You may refer old post on liferay to know what is different between site and organization
- **Role – Permission**
  - Role in liferay define privileges to access certain pages or functionality.
  - Permission is resource level priviledge. Group of permissions form a role in Liferay.
- **User Group**
  - user groups is used to group set to users with common interest.

Following are possible association between liferay artifacts.

- Liferay Portal has **Users**
- **User** can be part of Organization
- **User** can be part of Site
- **Organization** is used to aggregate users in hierarchical manner.
- Users with common interest can be part of same **Site**. It's similar to face book group where people with common interest can collaborate with each other.
- **Organizations** can have **Site** but **Site** can't have **Organization**
- **User** can have
  - Site Specific Roles.
  - Organization specific Roles.
  - Regular (Portal level) Roles.
- Each **Role** in Liferay is having set of **Permissions**.
- **User Groups** is collections of **Users**
- **User Groups** can be associated to **Site**
- **User** can be associated to **Site**, **Organization** and **User Group**

Relation between liferay artifacts (User, Organization, Site and User Group) can be explained by below screen shot.



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July 15
Portlet modes is a state in which portlet can generate its content. Portlet can run in different portlet modes which is one of the key difference between portlet and servlet. Portlet mode represents a task being executed by portlet. Content of portlet will be different for each portlet

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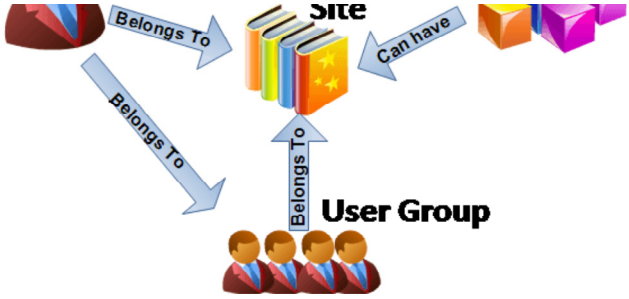

- **User** can have role. **Roles** are further scoped by **Organization**, **Sites** or **Regular** (Portal Level)
- Ex. **User** A can have **Administrator** role for **Site-a** but for **Site-b** he is just normal user.
- Each Role is group of **Permissions.**
- For each **Site**, there will be one role called **Site Administrator** which has full access for that site(Super User). Similar is applicable for **Organization**.
- Apart from Site and Organization Administrator, there is one more role called Site Owner and Organization Owner which is similar to Site / Organization Administrator.
- The only different between them is Site / Organization Owner can make other user Administrator for that Site / Organization while simple Administrator can't do it.

To understand above association in depth, do some hands on by

- Creating **Site** / **Organization**
- Creating **User** and associate them with **Site** / **Organization**
- Creating **User Group** and assign some **User** to it.
- To associate **Site** to **Organization**, Select the check box called '**Create Site**' from '**Organization Site**' section at right side links in Organization **Edit** Screen. This check box is available while creating **Organization** first time.

Feel free to ask Question / give feedback.

I would recommend looking at index page '**A Complete Liferay Guide**' to browse all topics about liferay.

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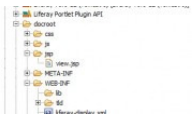
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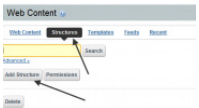
Create Web Content With Structure and Template in Liferay

Create Web Content in Liferay

8 Comments - Write a Comment

Ayan

Reply

May 9, 2016 at 10:50 am · Edit

Hi Nilang,
First of all great blog, liked it!!
I am completely new to the portlet technology and have just set hello-world portlet using your blog content.
Now I want to make role based portlet i.e. want to assign particular portlet to a particular user only.So how can I do that.
I am completely new so will be helpful if you can give me step by step guide.
Regards.

Nilang

Reply

May 23, 2016 at 2:17 pm · Edit

Hi Ayan,
Welcome to Tech blog and sorry for late respond. There are multiple things to achieve what you are looking for.
1) Programatically
— Liferay provides Role API to perform certain operation base on role. The plus side is you can achieve hide/show portion of portlet based on Role. The minus side is, in case in future if you wish to change the role, you have to modify the code and redeploy your portlet
2) Configuration
— Portlet are placed on Liferay page and each page can be configured to be visible based on role. The plus side is, for any future change of role, you can easily re-configure the role to page. The minus side is, whole page can be controlled so if you are planning to place other portlets on same page, the whole page can be either visible or not based or role, all portlets are affected so in case if you are looking for just one portlet, this trick will not help.

Server Side Validation in Liferay

Create Web Content With Structure and Template in Liferay

12
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3) Programatically configurable.
You need to take help of portlet preference. Take the role in preference and perform the operation what you want. This way it will be applicable to that portlet only and also you can change the rule from preference in future so its configurable.
Feel free to ask qustions..
Regards
Nilang

carmen Reply
May 5, 2015 at 4:23 pm · Edit

Hi,
Can you tell me how to assign a role to an organization or to the users from that organization. Thank you.

Nilang Reply
May 5, 2015 at 4:29 pm · Edit

Hi Carmen,
First of all Welcome to Tech blog. If you wish to assign role to user withing organization then you need to first create role. In Liferay you can create role with different scope like Regular(or portal level), Site or Organization. Second, the user to whom you want to assign role must be member of that organization. So follow below steps
1) Create role with scope Organization (Organization Role)
2) Go to Organization screen where you will find list of all organization with Action link for each.
3) On clicking this 'Action' button, you will see context menu.
4) Choose 'Assign Organization Role' link.
5) You will be first asked to specify the role and then user. Click the role you want to choose
6) Second screen will show list of users. (you may need to choose Available tab to see what all users are available)
7) Select the user and click on 'Update Association' button.
And its done.
Feel free to ask questions / Give suggestions..
Regards
Nilang

carmen Reply
May 6, 2015 at 12:52 pm · Edit

Hi,
Thanks for your reply and for the clean answer. Is it okey if I ask a question related to workflows? I am trying to make a workflow in which some tasks are send to Organization role users. I think the workflow is okey because I have tested it with regular role users and it works, so I believe there is something wrong with the Organization role users or the way I have enabled the workflow for the organization, I can not understand what. I followed the steps from your post and created the users, but the workflow fails. Can you also enumerate the steps I should follow when creating workflows that include Organization role users? I can provide you with a sample of my code if you want. Thank you.

Nilang Reply
May 6, 2015 at 3:20 pm · Edit

Hi Carmen,
Sure. You can ask any question and I will try my best to give solution. can you please send me the workflow file (on nilangpatel.techblog@gmail.com) ? also let me know the liferay version you are using. I will check it from my end and let you know if find any issue.
Regards

Abhinandan Gp Reply
October 29, 2014 at 11:16 am · Edit

Hi
Is it possible to show the portlets(Which are under the Application) based on user preferences
Regards,
Abhi

Nilang Patel Reply
October 29, 2014 at 4:26 pm · Edit

Hi Abhinandan,

12
shares

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1

Welcome to Tech blog and thanks for writing here. Yes its possible. You can achieve this by following way.
1) You can define set of categories.
2) These categories you can show as checkbox (for each category) in portlet config screen.
3) You can provide user preference screen where you can show same categories with checkbox
4) while rendering portlet (in render method), you can check the categories choose by user in user preference with categories set for portlet. If atleast one is common in both case, you can show the content else you can show empty content (logic in JSP)
Let me know if this solution works for you. Feel free to ask questions / give suggestions
Regards
Nilang

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